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SMMICKL, V.

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SO: Lonthly List of most European Accessions (EEML) 10. Vol. 6, No. 10, October 1957. Uncl.

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Influence of applying divided brushes upon the degree of sparking in the LKa-450 type motor. Przegl elektrotechn 38 no.7:312 Jl '62.

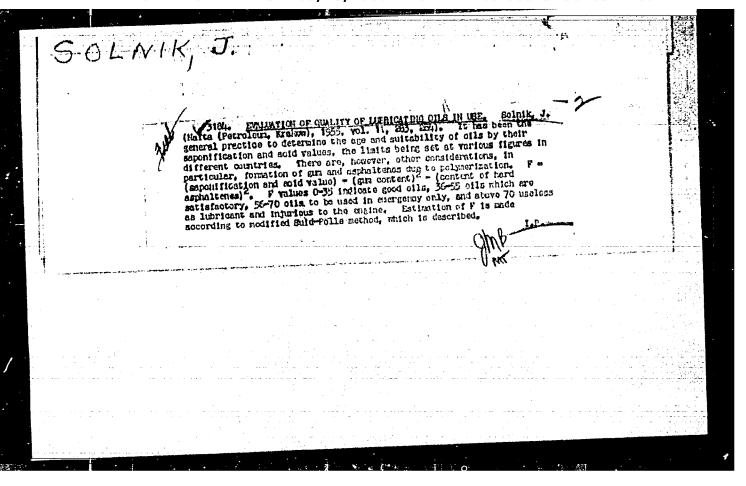
1. Instytut Elektrotechniki, Warszawa.

SOLNICKOVA, Z.

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Vol. 7, no. 11, 1956 PRUMYSL POTRAVIN TECHNOLOGY Praha, Czechoslovakia

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Regarding the concepts of the strength of polymer materials. Khim.
nauka i prom. 4 no.4:543-544 '59.

(Polymers) (Strength of materials)

L 29613-66 EEC(k)-2/ENT(d)/FSS-2 BC SOURCE CODE: UR/0146/66/009/001/0119/0124

AUTHOR: Vorob'yev, V. G.; Sol'nitsev, R. I.

B

ORG: Leningrad Electrotechnical Institute im. V. I. Ul'yanov (Leningradskiy elektrotekhnicheskiy institut)

TITLE: Simulation of nonlinear gyroscopic systems

SOURCE: IVUZ. Priborostroyeniye, v. 9, no. 1, 1966, 119-124

TOPIC TAGS: gyro, gyroscope system, gyroscope motion equation

ABSTRACT: A simulation method combined with a method of harmonic linearization is suggested for investigating nonlinear gyro systems. Some motion parameters obtained on a simulator are substituted into the implicit equations that connect motion parameters and instrument parameters. Other motion parameters determined analytically are used as checks for the simulation results. Thus, the formulas resulting from the harmonic linearization serve to determine the direction of further simulator studies intended to find optimal instrument parameters. The above approach requires evaluation of the simulation error, particularly in the problem of the stability evaluation of the simulation error, particularly in the problem of gyro drift due to range in the controllable-parameter space and in the problem of gyro drift due to small disturbances. The above method is illustrated by numerical example of a two-small disturbances. The above method is illustrated by numerical example of a two-small disturbances. The above method on a fixed base. Orig. art. has: 3 figures and 16 formulas.

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Cord 1/1 SUB CODE: 17 / SUBM DATE: 24Jul64 / CRIG REF: CC2 TIC: 531.763

RUMANIA/Morphology of Man and Animals -

(Normal and Pathologic), Pathologic Anatomy.

Abs Jour

: Ref Zhur - Biol., No 3, 1958, 12485

Author

: Serbanescu, C., Draghici, D., Solnitzky, A.

Inst

Title

: The Effect of Intravenous Aluminum Hydroxide on Experimen-

tal Animals.

Orig Pub

: Bibliot. stiint Ints. Patol. si igiena anim. Ministerul

agric. si silvicult., 1955, No 5, 25-33

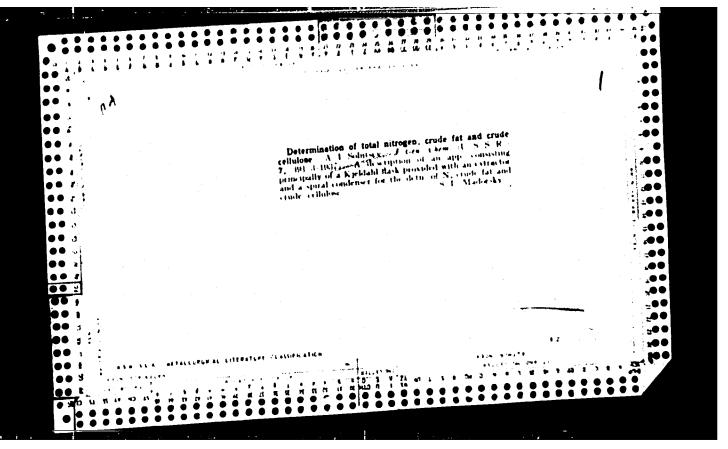
Abstract

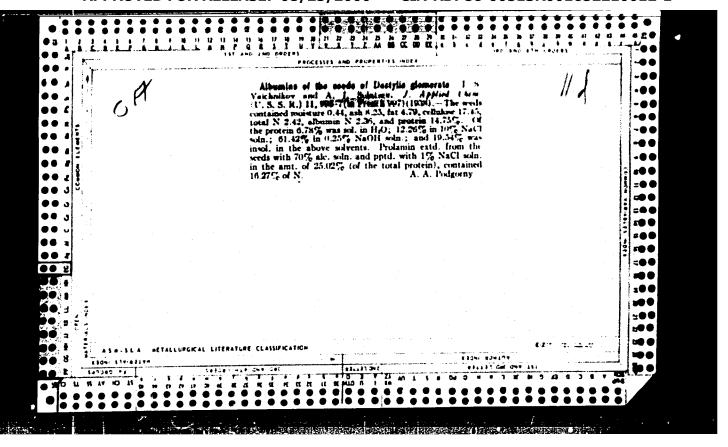
: Various laboratory animals (mouse, rat, guinea pig, rabbit, dog) sacrificed 3 hours after an intravenous injection of 0.1 ml of a 10% suspension of aluminum hydroxide displayed reactive changes in the lungs, the liver, the spleen and the kidney. There was a dilitation of the capillary bed and a perivascular infiltration by histiocytic and, to a lesser extent, lymphoid elements. The intensity of the reactions differed in various organs (maximal in the lungs,

minimal in the kidney).

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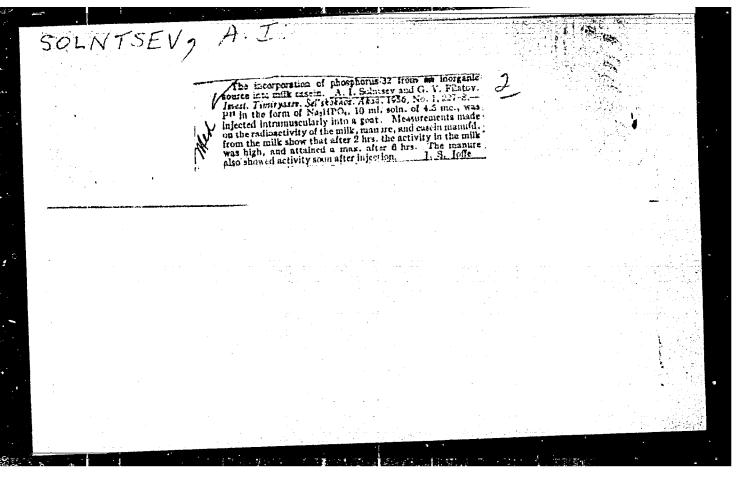
ZBARSKIY, B.I., prof.; ZBARSKIY, I.B.; SOLNTSEV, A.I.; STEPANENKO, B.N., red.; DEMKINA, A., tekhn. red.

[Laboratory manual of biological chemistry] Praktikum po biologicheskoi khimii. Moskva, Medgiz, 1949. 223 p. (MIRA 15:4) (BIOCHEMISTRY-LABORATORY MANUALS)

EBARSKIY, Boris Il'ich; ZHARSKIY, Il'ya Borisovich; SOLWEST, Aleksandr Ivanovich; STEPANENKO, B.N., redaktor; SENCHIIO, K.K., tekhni-Gheskiy redaktor.

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(Biochemistry--Laboratory manuals)



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Role of vitamins A.D.B., B., and B., in stockbreeding. Izv.
TSKhA no.2:187-192 '56.

(Vitamins)
(Stock and stockbreeding)

SOLNTSEY, A.I., kandidat biologicheskikh nauk.

Pyrophosphatase activity in the blood of cattle. Isv. TSKhA no. 3:236
(MLRA 10:3)

*56.
(Blood--Analysis and chemistry) (Pyrophosphatases)

561 N 1 SEL, A. I.

"Concerning Calcium Metabolish in Ruminants in an Investigation Using Calcium 45," by A. I. Solntsev and G. V. Filatov, Zhivotnovodstvo (Animal Husbandry), No 12, 1956, pp 53-55 (from Referativnyy Zhurnal -- Khimiya, Biologicheskaya Khimiya, No 8, 25 Apr 57, Abstract No 8661, by A. Verloochenko, p 83)

"Three-ml solutions of Ca¹⁴⁵Cl₂ containing 500 mg Ca were administered intramuscularly into goats. Two hours after this injection, the amount of Ca¹⁴⁵ excreted per ml milk equalled 6.4 thousand impulses per minute; seven hours after the injection, the activity per one ml milk minute; seven hours after the injection, the activity per one ml milk was 45 thousand impulses per minute; and 24 hours after the injection, it amounted to 60.1 thousand impulses per minute per ml milk.

"Subsequently, calcium radioactivity in the milk commenced to decrease gradually, and in two months it equalled 0.6 thousand impulses per minute per ml milk. During this same period, twice as much Ca⁴⁵ was excreted with the milk as with the feces." (U)

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ZHEREBISOV, P.I., doktor biologicnessing and process of the season of th

USSR/General Biology - Flyrical Chemical Biolog.

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Abs Jour : Ref Zhur Biol., No 6, 1959, 23481

Author : Solntsev, A.I.

Inst : Agricultural Academy imeni K.A. Timiryazeva

Title : On the Chemical Nature of Enzymes.

Orig Pub : Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1957,

vyp. 30, ch. 2, 46-52

Abstract : Review of old and new literature on the protein nature

of enzymes. The role of coenzymes (cocarbooxylase and codehydrases I and II and coenzyme Λ) and cytochronic system in tissue respiration is pointed out. The participation of some vitamins and metals - Fe, Cu and Zn - in the

structure of enzymes is noted. -- V.A. Dorfman

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SOINTSEV, A.I., dots., kand.biol.nauk

Chemical nature of ferments [with summary in English). Izv. TSKhA

(MIRA 11:11)

no.5:217-222 *58.

(Fermentation)

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ZHEREBTSOV, P.I., prof., doktor biol. nauk; SOLNTSEV, A.I., dots., kand. biol. nauk.

Role of ascorbic acid in the metabolism of anima organism [with summary in English]. Izv. TSKhA no.6:177-182 '58. (MIRA 12:1) (Ascorbic acid--Physiological effect) (Metabolism)

SAKIN, I.L.; RESHINA, I.I.; SOLNTSEV, A.I.

Double monochromators. Opt.-mekh.prom. 25 no.4:2-8 Ap '58.

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ZHEREBTSOV, P.I., doktor biologicheskikh nauk, prof.; SOLNTSEV, A.I., kand.biologicheskikh nauk, dotsent

Role of riboflavin in the metabolism of animals. Izv. TSKhA no.2: 213-216 '60. (MIRA 14:4) (Riboflavin)

SOLNTSEV, A.I., kand.bilogicheskikh nauk, dotsent; MUKHINA, N.A.

Present-day views on the biochemistry of milk carbohydrates. Izv.

(NIRA 13:12)

(MILK-COMPOSITION)

(CARBOHYDRATES)

ZHEREBTSOV, P.I., prof., doktor biolog.nauk; SOINTSEV, A.I., dotsent, kand.biolog.

Fermentative activity of an isolated section of rumen. Isv. TSCHA no.1:92-96 *61.

(Rumen)

A CLEAR OF WHICH BEING THE COMMENT OF THE PROPERTY.

ZBARSKIY, Boris Illich, prof.[deceased]; ZBARSKIY, Illya Borisovich; SOLNTSEV, Aleksandr Ivenovich; DEBOV, S.S., red.; EUL'DYAYEV, N.A., tekhn. red.

[Laboratory work in biochemistry] Praktikum po biologicheskoi khimii. 3. izd., ispr. i dop. Moskva, Medgiz, 1962. 279 p. (MIRA 15:7)

1. Kafedra biologicheskoy khimii Pervogo Moskovskogo meditsinskogo instituta (for Zbarskiy, B.I., Zbarskiy, I.B., Solntsev). (Bicchemistry-Laboratory manuals)

ZHEREDTSOV, P.I., doktor biologicheskikh nauk, prof.;
SCLNTSEV, A.I., kand.biologicheskikh nauk, dotsent

Studying lipolysis and the unsaturation for the rumen of calves. Izv. TSKHA no.2:214-217
162. (Lipolysis) (Rumen)

(Calves)

SOLNTSEV, A.I., kand.biologicheskikh nauk, dotsent; MUKHINA, N.A.;

PITESHCHAK, M.Yu., aspirant

Role of lactose in animal feeding. Izv. TSKHA no.3:228-232
(MIRA 15:9)
(62. (Feeding) (Lactose)

ZHEREBTSOV, P.I., doktor biolog. nauk, prof.; SOLNTSEV, A.I., kand. biolog. nauk, dotsent

Vitamins in animal husbandry. Izv. TSKHA no.1:79-90 '63. (MIRA 16:7)

(Vitamins) (Veterinary physiclegy)

SOLMTSEV, A.I., kand.biolog. nauk, dotsent; SUSOVA, N.I., assistent

Eitrogen metabolism in the rumen of ruminants. Izv. TSKHA no.3:
234-236 '63.

(Nitrogen metabolism) (Rumen)

ZHEREBTSOV, P.I., dekter biolog. nauk; SOLNTSEV, A.I., kand. biolog. nauk; MUKHINA, N.A., kand. biolog. nauk, dotsent

Carbohydrate metabolism in the rumen of ruminants. Izv. TSKHA no.4:134-143 '63. (MIRA 17:1)

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High metabolish in the runan of runinants. Irv. 1578 no.21

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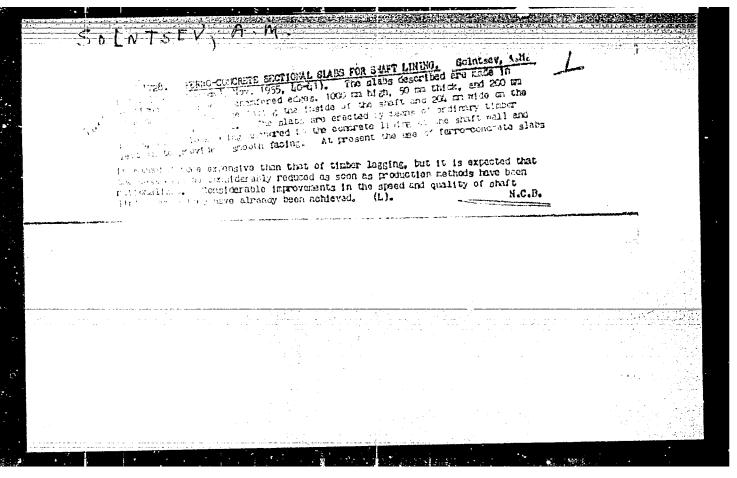
District of mitrates on the organism of ruminants. Izv. TEMEM co.ci148-135 '64 (NEW Leville is biokhimii sel'skokhoz. zhivotnyan, hoskovskoy ordana Lenina sel'skokhozynystvennoy akadem: imeni K.A. Timiryazeva.

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ZHEREBTSOV, P.I., prof. doktor biol. nauk; SCENTSEV, A.I., dotsent, kand. biolog. nauk

Ammonia metabolism in ruminants. Fzv. TSKHA no. 1:145-149
(MIRA 19:1)

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SOLNISEV. A. M., inzh.

Rapid sinking of a vertical shaft at the Maganak Mine in the Kuznetsk Basin. Shakht.stroi. 6 no.4:22-25 Ap :62. (MIPA 15:4) (Kuznetsk Basin-Shaft sinking)

Hall the, ..., and tekhn.nauk; KOSAHIV, N.F., inzh.; SOLATZEV, A.A.;

Rajid shaft sinking at the No.2 "Abashevskaia" coal mine. Shakht.

stroi. 9 no.8:21-24 Ag '65.

1. Kemerovskiy gornyy institut (for Leont'yev). 2. Novokuznetskoye
shakhtestroyagravleniye (for Kosarev). 3. Nauchno-issledovatel'skiy
Institut streitel'stva ugol'nykh i gornorudnykh predpriyatiy,
Kenerovo (for Solntaev, Kalabin).

SOLNTSEV, A. M.

A. M. Solntsey, G. P. Mikhaylov, and Ye. I. Bobrov "Use of Automatic Three-phase Arc Welding in Car Building," Avtogen. Delo, No. 6, 1949.

_	ists of Tachmical Sciences and A.M. G.I. Barmiors, Engineer; Tech. Ed.:	marts control and communications. To the following problems: the expli- trie power supply of automatic block-	oderniation of route control systems; chanical system of eminatumatic atta of code selection to be to of overhead communication lines (free emiliation of religions)	date are as also give and a suffacility date are also given from some-drift training and on training and on training some some some some some some some some	The factor describes a rate of semiminants block signals salled 'valuy-elec- trumentiant' with we developed is 1950-1974 at the dipertransignal vyta: at which was found to went satisfacturily on a few runs.	Three is Boute Control Systems 75 octo-control system of Engineers Betalerish as applies only two small relational stations. a roote lavet system was developed in a roote lavet system was developed for any form all rootes and in all for over five years give stillsfactory is given.	nears, Enrico Control Systems of the 69 ratios of Highalling and Communications related to a system of trues control, placing arrangements (with route and equipment, The mithors describe the Ebbray Lines 120 ratios used in the Bosore and a system used in the Bosore and	ting framed of a system of the forther of the system of the system of the state of the state of the state of the state operating the state operati	of Overhand Communication of Overhand Communication 130 disturbing effects of 4-e administration which conducted, the contract of the contract	irrestigniton. Devilopment of Astomatic and to in the ID in the above field	Process in the ULA 175 Types of expensional estions	
12(3); 26(1) FRACE I FOR EXPLAINTUM 50V/2775 Brops w thelemodorothory extensitie, telementants i svysti; shorntk statey (see Developments in Ballread Astometica, Pemora Control, and Communications; Chileston of Articles) Roscow, Transibaldorisdat, 1959. 198 p. 5,000 copies prised.	Mas. (fitte page): R.S. Symmetser, Candidate of Technical Sciences, and A.M. Pogodin, Engineer; Ed. (Inside book): G.I. Marmiore, Engineer; Tech. Ed.: O.E. Worlds.	PROTOR: This collection of articles is asserted and communications. epoclaiting is relived mithable defined. COVERNET: The articles is this book concern the following problems: the epo- covernet and articles is the book concern to following problems: the epo- covernet and articles of articles to the absorpt power mapply of articles block continue.	eignaling systems; the construction of electric inferioring systems; the systems satisfies a station of control systems; switching yands of rational stations; understand system of emission and extensional systems of emissional systems of emissional systems of creat station is the stational systems and shappens asserved of creation of creations communication lines statistic communication lines and statistic control of creations of rationals.	deries for measuring the speed of relive guiden for markeys are described. Some periodicals on actuacite and resche cost reliveds in the United States. There is periodicy. R.M., Regisser. Being-Electron	The fallow describes a system of semion trumchanical which we developed in and which was found to work setisfactor	Estimated J. E.A., Entited to the force force force in Ecute Control Systems Transmitted to the optation that the rottle-control system of Engineers Stallers and Charles of Englands and the Charles of Englands and addings a rottle larte system was developed which me handle both incoming of Online Englands of Charles and in all therefore, Operation of this system for over five years give stillibuting results. A description of the system is given.	Trainfeator, V.I., and Yo.E. Kitaliny, Baginsors. Burts Control Systems of the smoothing Type The Bacian Office of the Batis Administration of Signallist and Communications of the Bacian Office of the Batis of Signalist and Communications of the Batis system consists of standard evitablecting arrangements (vith routes and signal control locks) and control locks are control locks) and control locks are control locks. The military describe the system con Batis of Signalist System on Babony Lines [Editary, Adm. Regiment. Signaling System on Babony Lines International Systems on Babony Lines [Editary Special	Damin, A. J., Diginest. Radar Davice for Researing Sysed 11 1595 the Objectivestignal retaried the davalopment of a system of setting the Computer of setting contractions dear in heavy partial. In 1597 sar-partial models of an electronic speciment of the EED-5 type and of radar mater of the EED-2 type was devaloped and bested mader operating sombitions. The mather describes these devaloped and bested mader operating Expolatoric principle.	PAI'dmag_All. Engineer. New Data on the Effect of the Contact Mirw Jetvori WE Des Electric Bailroads on Palaybone Circuits of Ovarhaad Communisation Lines As the TANII NEW studies of the semace of the Circuits of the estate Ways safetynes on Long-Litemace service admissible whing conducts estate the Studies of the permunation of these distributions are aloned the	methor describes the initial results of this investigation. MALTIM. J.M., Condidate of Franciscal Sciences. Development of Automatic and Paris Construction Ratirods in the UM. Paris is a descriptive article of enthewants in the US in the above finial during the last 3 to 3 years.	Papella, A.M., Baginer. Commissions on Ballroads in the US. Mid is a descriptive article on the various types of exampleations syriam on reliveds in the UA.	
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TROYANOVSKIY, Vasiliy Vasil'yevich; SOLMTSEV, A.M., inzhener, retsenzent; SIDOROV, N.V., inzhener, redaktor; POPOVA, S.M., tekhnicheskiy redaktor

[Electric clocks] Elektricheskie chasy. Izd. 3-e, perer. i dop. Moskvs, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956.
226 p. (MIRA 9:8)

(Glocks, Electric)

Use of monolytic rubber half heels for men's fancy footwear. Kozh.-obuv.prom. 4 no.12:29-30 D '62. (MIRA 16:1) (Shoe manufacture)

NEZLIN, M.V.; SOLNTSEV, A.M.

Acceleration of ions in plasma beams. Zhur. eksp. i teor. fiz. 45 no.4:840-849 0 63. (MIRA 16:11)

EWT(1)/ETC(F)/EPF(n)-2/EWG(m) IJP(c) 12147-66 AP6000188 SOURCE CODE: UR/0056/65/049/005/1377/1388 ACC NR: 44,5 Nezlin, M. AUTHOR: V.; Solntsev, ORG: none TITLE: On discrete states of a plasma beam and transitions between them SOURCE: Zhurnal eksperimental noy i teoreticheskoy fiziki, v. 49, no. 5, 1965, 1377-1388 TOPIC TAGS: plasma beam interaction, plasma electron temperature, plasma oscillation, plasma velocity, plasma instability ABSTRACT: This is a continuation of earlier work (ZhETF v. 48, 1237, 1965 and other papers) dealing with the unique instability exhibited under certain conditions by a cold plasma column when broached by a beam of accelerated primary electrons. Whereas the earlier studies were confined to limited ranges of the primary and secondary electron velocities, in the present article the authors studied experimentally the states of the beam for a great variety of primary/secondary density ratios. Another purpose of the investigation was to determine the frequency spectrum of the oscillations produced in the beam during all its states, and the dependence of this spectrum on the form of the beam-electron velocity distribution function. The experimental setup (Fig. 1) was such that the anode could be moved both longitudinally and transversely to determine the electron and ion distribution. The plasma source was described in the earlier paper. Two operating modes were employed, that of the direct arc and of the reflecting arc. The apparatus is described in detail. The magnetic field could

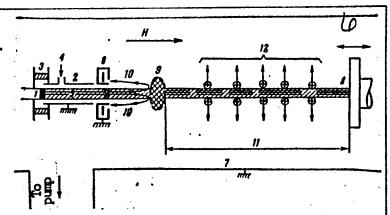
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Fig. 1. Experimental setup. 1-discharge cathode, 2-discharge chamber, 3--insulator, 4-gas inlet, 5-beam, 6-ring, 7-vacuum chamber, 8-anode, 9-virtual cathode, 10-electronbeam trajectory at instant of virtual cathode formation, 11-region of positive potential, 12-accelerated ions.



be varied from 1000 to 5000 ce, and was 1400 ce in most experiments. The gas in most experiments was argon. The tests showed that the transition from the macroscopically stable state to the state with virtual cathode is effected in two steps, during which appreciable changes take place in the plasma-particle energies, oscillation frequencies, and the beam radial dimensions and potential. These instabilities remain of the same character when the velocity distribution function of the fast electrons becomes completely disordered. The results are compared with those by others and certain similarities noted. Authors thank A. B. Mikhaylovskiy for stimulating discussions and W. Piffl for taking part in some of the measurements. Orig. art. has: 9 figures and 3 formulas.

SUB CODE: 20/ SUHM DATE: 08Apr65/ ORIG: REF: 009/ OTH REF: 003 Cord 2/2 上八人)

SOLNTEEV, A. M.

SOLNTSEV, A. M.: "Restorative operations in the jaw and face region using cartilege from corpses". Kiev, 1955. Odessa State Medical Inst. (Dissertations for the Degree of Candidate of Medical Sciences)

SO: Knizhnaya letopis', No. 52, 24 December, 1955. Moscow.

SOLHTSEW, A.M.

Prefabricated reinforced concrete forms for the support of vertical shafts. Ugol' 30 no.11:40-41 E '55. (MERA 9:2)

1.Trest Chelyabinskahakhtostroy.
(Shaft sinking) (Chelyabinsk Basin-Mine timbering)

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SOLNTSEY ... A. M.

Plastic surgery of the helix using a shaping membrane. Stomatologiia 35 no.4:34-35 Jl-Ag '56 (MLRA 10:4)

1. Iz kafedry chelyustno-litsevoy khirurgii (zav.-prof. M.M. Velikanova) Kiyevskogo instituta usovershenstvovaniya vrachėv (dir.-zasluzhennyy deyatel' nauki prof. I.I. Kal'chenko) i l-go Respublikanskogo chelyustno-litsevogo gospitalya dlya invalidov Otechestvennoy voyny (nachal'nik M.O. Brudnyy) (EAR--SURGERY)

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SOLNTSKV, A.M.

Subcutaneous emphysema as a complication following tooth extraction. Stomatologiia 35 no.5:55-56 S-0 '56 (MLRA 10:4)

1. Iz kafedry chleyustno-litsevoy khirurgii i stomatologii (zav.-prof. M.M. Velikanova) Kiyevskogo instituta usovershenstvovaniya vrachey (dir.-prof. I.I. Kal'chenko)
(TRETH_-RITRACTION) (EMPHYSEMA)

SOINTSEV, A.M., kand.med.nauk, YAMPOL'SKAYA, Z.K.

Surgery for lacrimal fistulas. Vrach.delo no.4:425-427 Ap'58

(MIRA 11:6)

1. Kafedra chelyustno-litsevoy khirurgii (zav. - prof. M.M.

Velikanova) Kiyevskogo instituta usovershenstvo-vaniya vrachey.

(SALIVARY GLANDS--SURGERY)

(PISTULA)

SOINTSEV, A.M., kend.med.mauk (Kiyev, ul. Lenina, d.50, kv. 8)

Homoplastic implantations of different kind of cartilage; experimental investigation. Nov.khir.arkh. no.6:58-62 N-D '58.

(MIRA 12:3)

1. Kafedra patologicheskoy snatomii (zev. - zasl. deyatel' nsuki prof. M.K. Dal') Kiyevskogo institute usovershenstvovaniya vrachey.

(CARTILAGE--TRANSPLANTATION)

SOLNTSEV, A.M., kand.med.nauk

Formation of the auricula on an acrylate framework. Vrach.delo no.7:737-738 J1'58 (MIRA 11:9)

1. Kafedra chelyustno-litsevoy khirurgii (zav. - prof. E.A. Aleksandrova) Kiyevskogo instituta usovershenstvovaniya vrachey. (EAR.-SURGERY)

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SOLNTSEV, A.M., kand.med.nauk Possibility of using costal cartilage from cadavers of children in plastic operations on the face. Stometologiia 37 no.2:66 Mr-Ap 158.

(MIRA 11:5)

1. Iz kafedry chelyustno-litsevoy khirurgii (zav.-prof. M.M. Velikanova) Kiyevskogo instituta usovershenstvovaniya vrachey (dir.zasluzhennyy deyatel' nauki I.I. Kal'chenko). (FACE - SURGERY) (CARTILAGE - TRANSPLANTATION)

CIA-RDP86-00513R001652210012-1" APPROVED FOR RELEASE: 08/25/2000

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SOLNTSEV, A.M., kand.med.nauk; VOLYNETS, O.I.

Observation of marble disease (osteopetrosis) in the lower extremities. Vrach.delo no.11:1199 N 159. (MIRA 13:4)

1. Kafedra chelyustno-litsevoy khirurgii (zaveduyushchiy - prof.

B.A. Aleksandrova) Kiyevskogo instituta usovershenstvovaniya vrachey,
i gorodskaya klinicheskaya bol'nitsa.

(EXTREMITIES, LOWER--DISEASES) (BONES)

SCENTSEV, A.M., dotsent

Odontogenic thrombosis of the cavernos sinus. Vrach.delo no.2: 183-185 F '60. (MIRA 13:6)

l. Kafedra chelyustno-litsevoy khirurgii i stomatologii (zav. - prof. E.A. Aleksandrova) Kiyevskogo instituta usovershenstvo-vaniya vrachey.

(CAVERHOUS SIMUS---DISEASES)

SOLNTSEV, A.M., VAYSBLAT, I.N.

Medical procedure in the case of unintentional opening of the antrum. (MIRA 15:2) Probl. stom. 5:260-267 '60.

1. Kiyevskiy meditsinskiy institut usovershenstvovaniya vrachey. (ANTHUM_SURGERY)

SOLNTSEV, A.M.

Reduction of the fracture pieces in old fractures of the maxilla.

(MIRA 15:2)

Probl. stom. 5:303-307 60.

1. Kiyevskiy institut usovershenstvovaniya vrachey. (JAWS__FRACTURE)

Source treatment of odontogenic highmoritis. Probl.stom. 6:
(MIRA 16:3)
223-230 '62.
(MAXILLARY SINUS—DISEASES) (TEETH—DISEASES)

CIA-RDP86-00513R001652210012-1 "APPROVED FOR RELEASE: 08/25/2000

SOLNTSEV, A.M., dotsent

Mandibular necrosis due to circulatory insufficiency. Vrach. (MIRA 15:3) delo no.2:145-146 F 162.

1. Kafedra chelyustno-litsevoy khirurgii i stomatologii (zav. - prof. E.A. Aleksandrova) Kiyevskogo instituta usovershenstvovaniya (BLOOD-CIRCULATION, DISORDERS OF)
(JAW-DISEASES) vrachey.

SOLMISEV, A.M., dotsent

Cheloid of the ear lobe. Zhur. ush., nos. i gorl.bol. 22 no.1: (MIPA 15:5) 85-86 Ja-F 162.

1. Iz kafedry chelyustno-litsevoy khirurgii i stomatologii (zav. - prof. E.A.Aleksandrov) Kiyevskogo instituta usovershenstvovaniya vrachey.

(EAR-TUMORS)

SOLNTSEV, A.M., dotsent

Some characteristics of odontogenic highmoritis. Zhur.ush., nos.i gorl.bol. 22 no.2:11-15 Mr-Ap '62. (MIRA 15:11)

1. Iz kafedry chelyustno-litsevoy khirurgii (zav. - prof. E.A. Aleksandrova) Kiyevskogo instituta usovershenstvovaniya vrachey. (MAXILLARY SINUS-DISEASES) (TEETH-DISEASES)

SOLNTSEV, A.M., inzh.

Sudden rock caving during the sinking of a mine shaft. Besop.truda v prom. 7 no.1:9-11 Ja *63. (MIRA 16:2) (Shaft sinking)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652210012-1"

SOLNTSEV, A.M., inzh.; USENKO, A.S., inzh.

Rapid vertical shaft sinking in the Kuznetsk Basin. Shakht.stroi. 7 no.5:17-19 My '63. (MIRA 17:4)

1. KuzNIIshakhtostroy (for Solntsev). 2. Stroitel'noye shakhtoprokhodcheskoye upravleniye No.1 tresta Prokop'yevskshakhtostroy (for Usenko).

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SOLNTSEV, A.M., inzh.

Shaft sinking with the use of advance boreholes. Shakht. stroi. 8 no.8:23-25 Ag 164. (1974 17:9)

1. Nauchno-issledovateliskiy institut stroitelistva ugolinykh i gornorudnykh predpriyatiy.

CHATSEV, Alakaey Mikhaylovich; Chambelland, G.I. (Schenchand, h.l.), red.

[Use of preserved cartilage in plastic facial surgery] Zastosuvannia konserveveneho khriashcha pry plastychnykh operatoliakh na oblyclehi. Kyiv, Zdorovin, 1964. 131 p. (MIRA 18:2)

SCHNTSEV, A.M., dotsent (Kiyev)

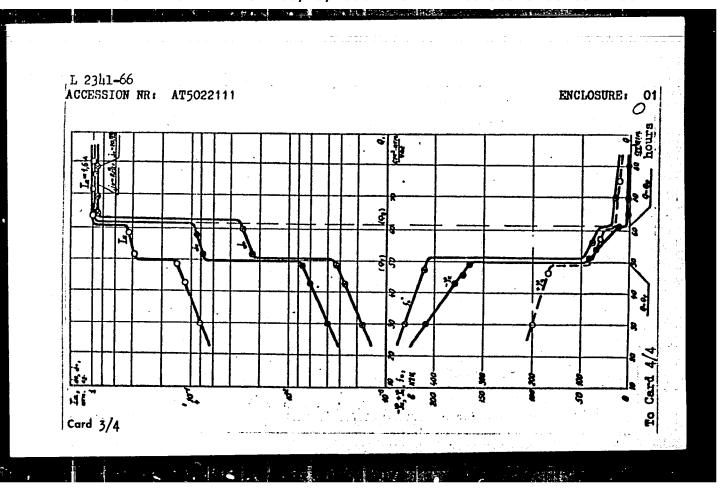
Conductor anesthesia in surgery on the maxilla in young children. Probl. chel.-lits. khir. no.1:26-29 - 165.

Pathological anatomy of osteomyelitis of the maxilla in newborn infants and young children. Ibid.:157-168

(MIRA 18:10)

1. 2311-66 EWT(1)/ETC/EPF(n)-2/EPA(w)-2/EWG(m)IJP(c) AT UR/3136/65/000/855/0001/0015 ACCESSION NR: AT5022111 52 Solntsev, A. M. Nezlin, M. V.; AUTHORS: 46 B+1 TITLE: On the discrete states of a plasma beam and transitions between them SOURCE: Moscow. Institut atomnoy energii. /Doklady/, IAE-855, 1965. O diskretnykh sostoyaniyakh plazmennogo puchka i perekhodakh mezhdu nimi, 1-15 TOPIC TAGS: plasma magnetic field interaction, plasma beam instability, plasma concentration, plasma instability, plasma research ABSTRACT: The present investigation is an extension of the work on plasma beam instability by the senior author (ZhETF, 46, 36, 1964). The behavior of a plasma beam permeated by a flux of primary electrons at conditions $2 \approx 2\kappa$ was investigated. Here $2 = \frac{R_2}{R_1}$ and $2\kappa = \frac{7U_1}{U_2}$ where R_1 , V_1 , R_2 , V_3 are the density and velocity of primary and secondary electrons respectively. The effect of the primary electron velocity distribution on the plasma stability was also investigated. The experimental methods used were described previously (see above reference). The experimental results for the radial ion current density and the volt-ampere characteristics of plasma beams at different conditions are shown Card 1/4

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	primary elec								
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The authors	thank A. B. 1	likhaylov	skiy for st	imulati	ng disou	ssions. (Orig.	art. h	881
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From Card 3/4 lence of total anode electron it Is, electron density Je, i y J+, the floating potential ing electrode \(\beta_k\), the beam ital in the median plane of t lation \(\beta_k\) and fo the first it in the linear vibrational ral region, on the amount of used in the plasms source (q icharge potential = 200 v, di current Ip = Ia, H the magn strength = 1400 oerst. P = con = 1000 con =			• • •	•			, ; i
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ACC HR. AT6001615 SOURCE CODE: UR/3136/65/000/932/0001/0929

AUTHOR: Nezlin, M. V.; Sapozhnikov, G. I.; Solntsev, A. M.

ORG: none

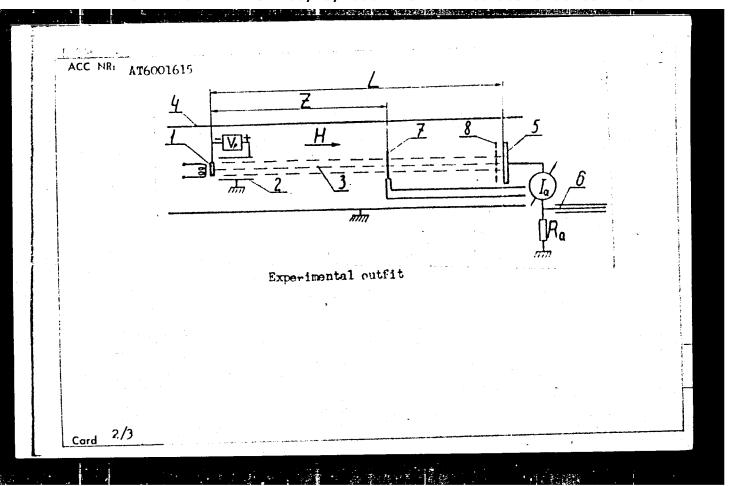
TITLE: Long-wave electron oscillations in a beam-plasma system

SOURCE: Moscow. Institut atomnoy energii. Doktady, IAE-932, 1965. Dlinnovolnovyye elektronnyye kolebaniya v sisteme puchok-plazma, 1-29

TOPIC TAGS: electron oscillation, plasma, electron beam

ABSTRACT: As previous experimental investigations (e.g., C. C. Cutler, Proc. IRE, 44, 61, 1956) of r-f oscillations in electron beams propagating in vacuum were desultory, the present experiments have been conducted to obtain a systematic picture of the oscillations spectrum, nature, and excitation mechanism. A beam of electrons 3 emitted by W heater-type cathode 1 (see figure) was accelerated by electrode 2 to a few hundred ev and traveled along a strong

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ACC NR: AT6001615

magnetic field, in an equipotential space, along the axis of metal-wall cylinder 4. A movable anode 5 permitted adjusting the beam length within 16-150 cm; other components: 6 - measurement cable, 7 - needle probe, 8 - grid, R_a -measurement resistance; hydrogen pressure, $10^{-6}-10^{-9}$ torr; magnetic field, 1000-5000 oe. Spectra of electron-current oscillations at the anode and at the probe were measured. A plasma was formed as a result of gas ionization by the beam, the plasma density being commensurate with that of the beam. The spectrum of these non-Langmuirian oscillations consists of a number of harmonics whose wavelengths obey the formula: $\lambda_n = 2 L/n$ (where n is the number of the harmonic and L is the beam length) and whose frequencies ω_n are determined by the beam-electron velocity. V in this way: $\omega_n \approx K_n V$, where $K_n = 2 \sqrt[n]{\lambda_n}$. The experiments corroborate the theory of longitudinal electron oscillations in a homogeneous beam-plasma system having limited longitudinal and transverse dimensions. Orig. art. has: 11 figures and 20 formulas.

SUB CODE: 20 / SUBM DATE: none / ORIG REF: 008 / OTH REF: 009

Card 3/ 3/ 12

Pz-6/Po-4/Pab-10/Pi-4 EWI(1)/EPF(n)-2/EWG(m)/EPA(w)-2L 58145-65 UR/0056/65/048/005/1257/1247 TA/WW AP5013881 ACCESSION NR: AUTHOR: Nezlin, M. V.; Solntaev, A. M. TITLE: Unstable plasma beam SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 5, 1965, 1237-1247 TOPIC TAGS: plasma instability, plasma turbulence, plasma spectrum, plasma particle acceleration ABSTRACT: This is a continuation of a systematic study of the properties of an unstable plasma beam, started by the authors earlier (ZhETF v. 45, 840, 1963 and elsewhere). The purpose of the work was to determine the conditions under which the plasma beam becomes unstable, as a function of such parameters as the energy of the fast electrons and the mass of the ions, and to study the electric fields and the character of motion of the charged particles in a plasma with fast ions, produced by an unstable plasma beam in a trap with magnetic mirrors. All the experiments were carried out with the apparatus described in the earlier paper, in magnetic fields ranging from 1000 to 5000 Oe. The experiments were carried out in two dis-Card 1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652210012-1"

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L 58445-65 ACCESSION NR: AP5013881

charge modes, continuous and pulsed. The results show that the plasma turbulent state is characterized by: a) a broad electric-field oscillation spectrum, which includes the ion larmor frequency and which makes it possible to carry out multiple (stochastic) acceleration of the ions to kilovolt energies, b) the formation of a strongly eccentric plasma torch rotating on the "ion" side with a frequency of several times 10 kcs, and c) acceleration of the ions not only in the transverse but also in the longitudinal direction. The conditions for the transition of the beam to a stable state in which particle acceleration does not occur are considered. The results are compared with data by others. "The authors thank M. S. loffe and Ya. B. Faynberg for useful discussions, and Ye. K. Yeroshchenkov for participating in some of the experiments." Orig. art. has: 9 figures and 4 formulas.

ASSOCIATION: None

SUBMITTED: 18Dec64

ENCL: 00

SUB CODE: ME

NR REF SOV: 011

OTHER: 003

Card 2/2

NEZLIN, M.V., SOLHTSEV, A.M.

Discrete states of a plasma beam and the transitions between them. Zhur.eksp. i teor.fis. 49 no.5:1377-1388 N *65. (MIRA 19:1)

L 23573-00

ACC NR: AP6005385 (A)

SOURCE CODE: UR/0413/66/000/001/0131/0131

INVENTOR: Piskorskiy, G. A.; Polishchuk, V. N.; Solntsev, A. M.

mainten auf Lei Malatakon kultur. Bantan da ina Saturda da da da da da en e

B

ORG: none

TITLE: Vibratory vacuum type conveyor for air-tight flat parts. Class 49, No.

177751

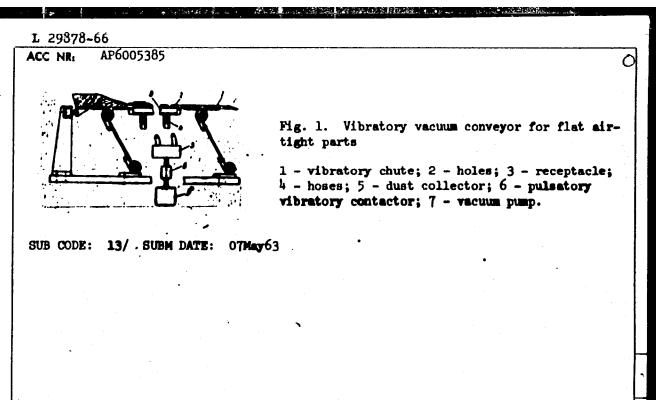
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1966, 131

TOPIC TAGS: conveyor, vacuum type conveyor, vibratory conveyor

ABSTRACT: An Author Certificate has been issued for a vibratory vacuum-type conveyor for airtight parts. To ensure piece-by-piece delivery of flat airtight parts, the middle part of the vibratory chute is made with holes, and under it there is a receptable connected with all the holes by hoses, a dust collector and a pulsatory vibrating contactor with a vacuum pump to provide the pulsatory action of the suckers (see Fig. 1). Orig. art. has: 1 figure. [LD]

Card 1/2

UDC: 621.867-26



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L 16581-66 EWT(1)/ETC(f)/EPF(n)-2/EWG(m) IJP(c) AT

ACC NR: AP6007215

SOURCE CODE: UR/0056/66/050/002/0349/0363

AUTHOR: Nezlin, M. V.; Sapozhnikov, G. I.; Solntsev, A. M.

ORG: none

21, 40, 54

72 90

TITLE: Long wave electron oscillations in a beam-plasma system

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 50, no. 2, 1966,

TOPIC TAGS: electron oscillation, electron beam, plasma beam, plasma beam interaction, longitudinal magnetic field, gas ionization, gas pressure, excitation spectrum

ABSTRACT: Long wave electron oscillations excited by an electron beam in a rarefied plasma in the presence of a strong longitudinal magnetic field are investigated experimentally. The plasma is produced as a result of ionization of the gas by the beam. The gas pressure $\sim 10^{-5}$ mm Hg and the plasma density is comparable with that of the beam. The oscillations observed are not Langmuir oscillations. Their spectrum consists of a number of harmonics, the wavelengths of which (λ_n) obey the relation $\lambda_n = 2L/\lambda_n$ (n is the harmonic number and L is

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ACC NR: AP6007215

the beam length). The frequencies ω_n are defined by the velocity of the beam electrons (v) and the wavelength: $\omega_n \sim k_n v$ where $k_n = 2\pi/2_n$. It is shown that the excitation conditions of the oscillations and their spectral characteristics are in good agreement with the theory of longitudinal electron oscillations in an homogeneous beam-plasma system with restricted longitudinal and transverse demensions. The authors take the opportunity to express their appreciation to Ya. B. Faynberg for his interest in this work and for his useful comments, and A. Ye. Bazhanova for providing the roots of dispersion equations with the aid of a computer. Orig. art. has: 11 figures and 6 formulas. [Based on author's abstract]

SUB CODE: 20 SUBM DATE: 27Aug65/ ORIG REF: 008/ OTH REF: 010/

Card 2/2

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ACC NR AP7004568 SOURCE CODE: UR/0056/65/049/005/1377/1388 AUTHOR: Nezlin, M. V.; Solntsey, A. M. ORG: none TITLE: Discrete states of a plasma beam and the transitions between them SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 5, 1965, 1377-1388 TOPIC TAGS: plasma beam, electron beam, fast electron It was shown by the authors in earlier articles that in ABSTRACT: a plasma beam consisting of a cold plasma column and a fast elecitron stream which permeates this column undergoes a transition from a macroscopically steady state to a virtual cathode state when there is a decrease in the ratio of the densities of these components. The purpose of the experiments described in the present article was to investigate the question of the state of the plasma beam in the region of intermediate values of α , as well as to investigate the frequency spectrum of the oscillations occurring in the beam in all its states and the question of the relationship between this spectrum and the form of the velocity distribution function of the beam electrons. Argon and hydrogen were used as the working gases in the experiments. An orificed electrode and three Langmuir probes were used to measure the frequency epectrum of the oscillations.

Card . 1/2

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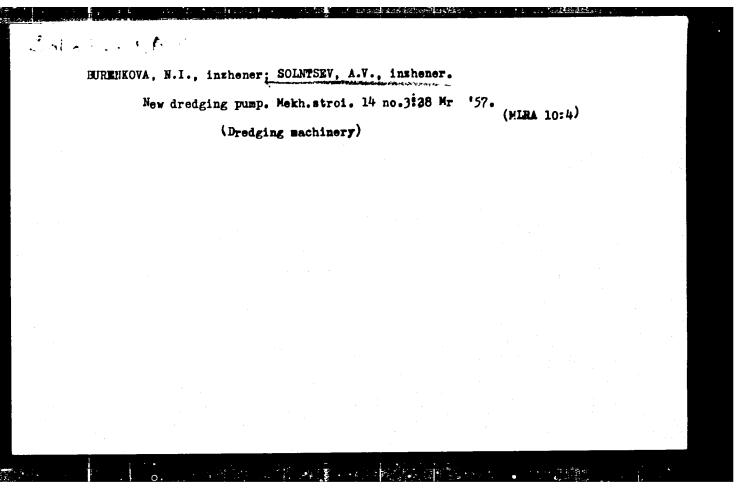
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ACC NR: AP7004568

The article shows that the transition occurs as the result of two Research jumps between three discrete states, during which there is a significant increase in the energies of the plasma particles and the radial dimensions of the beam and its potential. The oscillation spectrum is shown to consist of a line section and a continuous section, with an increase in oscillation frequencies during the transition jumps. It is found that there is no significant change in the oscillation spectrum in any of the three discrete plasma beam states, even if the fast electron velocity distribution function becomes disordered. This result is of interest in connection; with the question as to whether and to what extent the plasma beam instability here under consideration is associated with the "ordinary" beam instability which occurs in the presence of "order" in electron motion in a velocity space. A definite answer to this question requires an investigation of high-frequency electronic. ("Langmuir") oscillations in all three plasma beam states, and such an investigation is under way at the present time by the authors. The authors express their appreciation to A. B. MIKHAYLOVSKIY for "stimulating discussions" and to V. PIFFL for having taken part in some of the measurements, Orig. art. has: 9 figures and 3 formulas. /JPRS: 34,6577

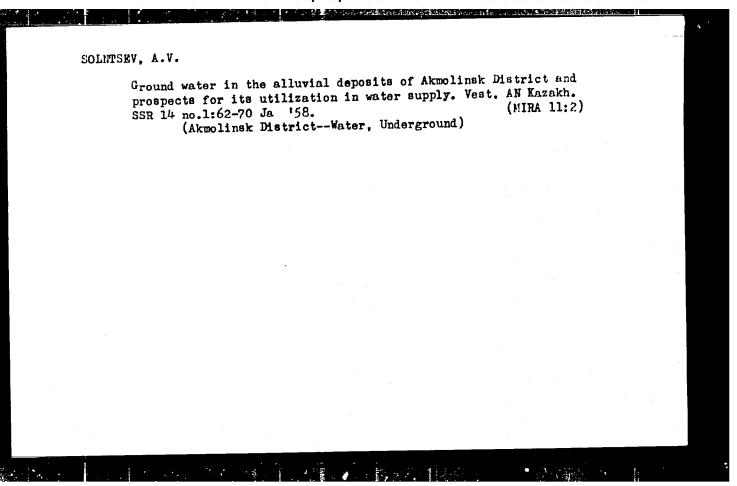
SUB CODE: 20 / SUBM DATE: 21Ju165 / ORIG REF: 009 / OTH REF: 003

Card 2/2



SOLNTSEV, A. V., Cand Geol-Min Sci -- (diss) "Subterranean waters of the eastern part of Akmolinskaya Oblast." Alma-Ata, 1958. 15 pp (Acad Sci Kazakh SSR, Inst of Geol Sci), 107 copies (KL, 35-58, 106)

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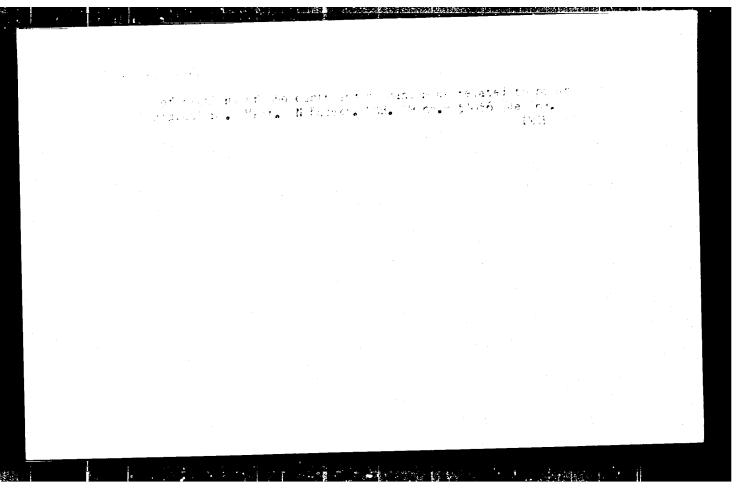


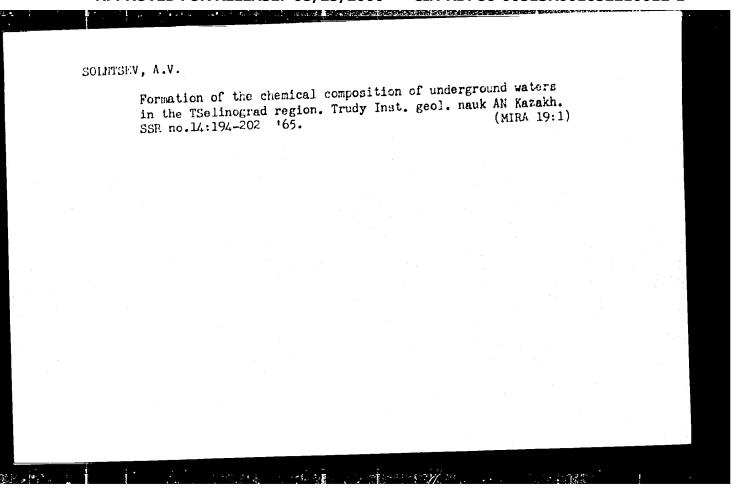
SOLNISEV, A.V.

Method of determining water inflows in mining. Trudy Alt.GMNII

(MIRA 15:8)

AN Kazakh.SSR 12:152-156 (Mine water)





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06540

9(2,3) AUTHORS: SOV/142-2-2-16/25 Vorob'yev, A.A., Solntsev, B.A., and Titov, V.N.

TITLE:

The Application of an Electrode Electric Field for

Electron Acceleration in a Synchrotron

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika,

1959, Vol 2, Nr 2, pp 246-247 (USSR)

ABSTRACT:

Coaxial cavity resonators found the most wide-spread application as electron accelerators in electron synchrotrons with annular electromagnets. They were first used by F.K. Goward and D.E. Barnes in 1946. Resonators of this type occupy a part of the pole gap of the electromagnet. Therefore, the outer conductor cannot have sufficiently large dimensions compared to the inner one. Further, bending of the resonator cannot be avoided. These conditions reduce the resonance to a considerable degree. The introduction of high-quality dielectrics into the resonator cavity Ref 1, 2, 37 does not produce a considerable increase of the parallel resistance. In 1948, at the Tomskiy politekhnicheskiy institut imeni S.M. Kirova (Tomsk Poly-

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SOV/142-2-2-16/25

The Application of an Electrode Electric Field for Electron Acceleration in a Synchrotron

technic Institute imeni S.M. Kirov) the suggestion was made to use for electron acceleration the electric field created in a gap between conductive coatings inside the chamber, as shown by figure 1. With a sufficient thickness of the conductive layer, the configuration of the electric field will not be different from the shape of the field created in the accelerating gap of a coaxial resonator. In 1955, a 20 mev synchrotron was built at the Tomsk Polytechnic Institute with the application of the aforementioned electrodes. For feeding high frequency power to the accelerating gap two metal rings were used which were placed on the accelerating chamber, as shown by figure 2. The capacitance component of the input impedance of the device was compensated by a parallel-connected inductance, as shown by the equivalent circuit in figure 3. The aforementioned device occupies little space in the pole gap of the accelerating electromagnet and provides optimum operating conditions.

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SOV/142-2-2-16/25

The Application of an Electrode Electric Field for Electron Acceleration in a Synchrotron

parallel resistance of the accelerating gap may be higher than with coaxial resonators. Frequency adjustments may be easily made. Special matching and balancing systems for the coupling with the HP generator are not required. The manufacture of such an accelerating device is considerably simpler than that of other accelerators. Figure 4 shows a general view of the accelerating device in the chamber. The electromagnet of the 15 mev betatron of the Tomsk Polytechnic Institute provided the magnetic field. The accelerating device was excited by a push-pull generator, composed of metal-ceramic tubes GI-12B, producing approximately 20 watts at a frequency of 350 mc. With such a power, 150 volts were obtained at the accelerating gap. The basic characteristics of the synchrotron with this accelerating device were the same as those obtained with a coaxial resonator. The gamma radiation had an intensity of 2 roentgen at 1 m

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The Application of an Electrode Electric Field for Electron Acceleration in a Synchrotron

distance from the target. There are 2 diagrams, 1 photograph, 1 circuit diagram and 3 references, 1 of which is Soviet and 2 English.

This article was recommended by the Nauchno-issledovatel skiy institut yadernykh issledovaniy, elektroniki i avtomatiki pri Tomskom politekhnicheskom institute imeni S.M. Kirova (Scientific Research Institute for Nuclear Research, Electronics and Automation at the Tomsk Polytechnic Institute imeni S.M. Kirov).

SUBMITTED:

July 11, 1958

Card 4/4

ACC NR. AP6013528

SOURCE CODE: UR/0120/66/000/002/0212/0214

The state of the second second

AUTHOR: Butakov, L. D.; Solntsev, B. A.

B

ORG: Scientific Research Institute of Nuclear Physics, Elactronics, and Automation, TPI, Tomsk (Nauchno-issledovatelskiy institut yadernoy fiziki, elektroniki i avtomatiki pri TPI)

TITLE: Pulse generator of 100-kw and 40 µsec

SOURCE: Pribory i tekhnika eksperimenta, no. 2, 1966, 212-214

TOPIC TAGS: pulse generator, thyratron, PULSE SHAPER

ABSTRACT: A diagram is given in the original article of a square pulse generator of 100 kw and 40 µsec. Pulses are shaped by the partial discharge of a capacitive accumulator through the thyratron. The front pulse and the clipped pulse are 0.3 and 3 µsec, respectively. The layout provides for increased efficiency of the thyratron quenching circuit. Orig. art. has: 4 figures. [NT]

SUB CODE: 14/ SUBM DATE: 07Apr65/ ORIG REF: 002/ OTH REF: 001/

Card 1/1 ULR

UDC: 621.317.765.4

秦 ACC NR: AT7003996

SOURCE CODE: UR/0000/66/000/000/0098/0104

AUTHOR: Butakov, L. D.; Lashuk, N. A.; Solntsev, B. A.; Tolmachev, V. I.

ORG: Scientific Research Institute of Nuclear Physics, Electronics, and Automation, Tomsk Polytechnic Institute (Nauchno-issledovatel'skiy institut yadernoy fiziki, elektroniki i avtomatiki pri TPI)

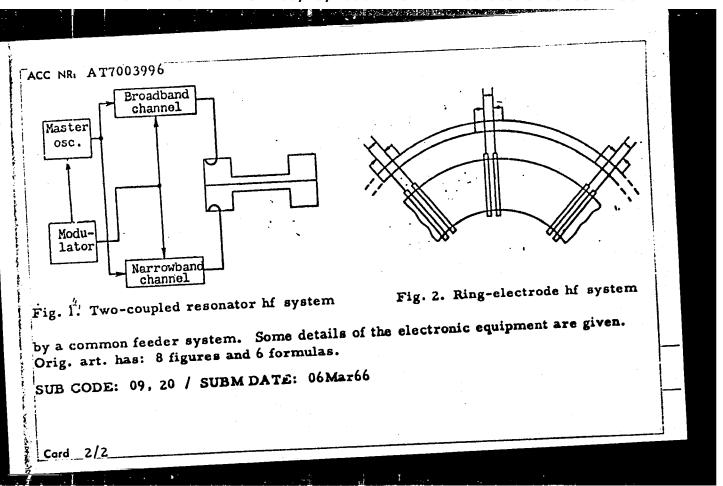
TITLE: High-frequency system for operating an electron synchrotron as a proton-synchrotron

SOURCE: Mezhvuzovskaya konferentsiya po elektronnym uskoritelyam. 5th, Tomsk, 1964. Elektronnyye uskoriteli (Electron accelerators); trudy konferentsii. Moscow, Atomizdat, 1966, 98-104

TOPIC TAGS: synchrotron, proton, synchrotron electron

ABSTRACT: Wide passband and high voltages do not permit using conventional protonsynchrotron-tape aperiodic accelerating systems. Nor can drift tubes or accelerating
transformers be used. Hence, two variants of a special accelerator are proposed:
(1) Two closely coupled and shunted toroidal resonators (see Fig. 1) and (2) A system
of ring electrodes (see Fig. 2). The entire frequency deviation is 9 Mc, and the
frequency by the end of the cycle is 36 Mc. The hf channel is divided into two
subchannels: a 1.2-Mc one covering most of the cycle and a wide-band one covering
the initial part of the cycle. In the ring-electrode design, all long lines are supplied

Card 1/2



ACC NR: AT7003997

SOURCE CODE: UR/0000/66/000/000/0105/0111

AUTHOR: Lashuk, N. A.; Solntsev, B. A.

ORG: none

TITLE: Transients in a pulsed hf system

SOURCE: Mezhvuzovskaya konferentsiya po elektronnym uskoritelyam. 5th, Tomsk, 1964. Elektronnyye uskoriteli (Electron accelerators); trudy konferentsii. Moscow, Atomizdat, 1966, 105-111

TOPIC TAGS: cyclic accelerator, transient phenomenon, high frequency,

ABSTRACT: The transient time of an accelerating voltage largely depends on the parameters of the accelerator resonator because the latter's Q-factor is considerably higher than that of the oscillator circuits. Principal and equivalent circuits of excitation of the resonator conventionally used in the vhf band are

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ACC NR: AT7003997

shown. Solution of a differential equation that describes the equivalent circuit yields formulas for the output voltage transient (settling) time. The transients in amplifier stages can be reduced by promote modulation in the output stage. Also, a formula describing the phase variation of oscillations under transient conditions is derived. The effect of other circuits on transients is allowed for by introducing an exponential exciting emf. Under resonance conditions, only amplitude transients occur in the oscillatory system; both frequency and phase of forced oscillations are established instantaneously. Orig. art. has: 5 figures and 20 formulas.

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Card 2/2

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SOURCE CODE: UR/0000/66/000/000/0249/0253

AUTHOR: Butakov, L. D.; Lashuk, N. A.; Solntsev, B. A.

ORG: none

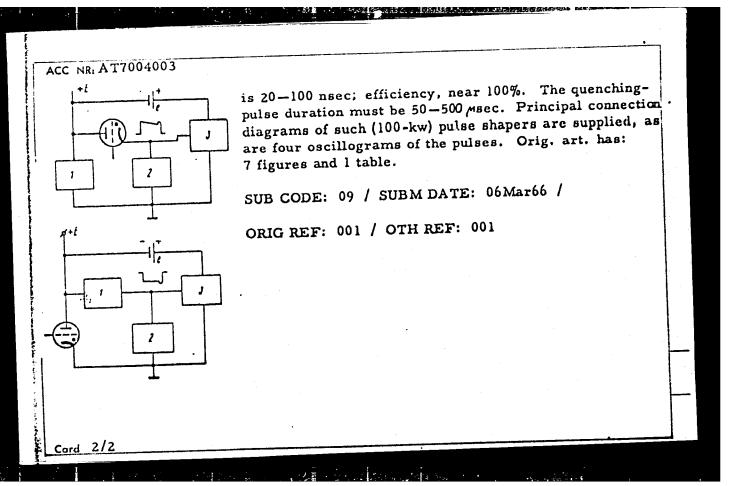
TITLE: Shaping the long steep-front pulses

SOURCE: Mezhvuzovskaya konferentsiya po elektronnym uskoritelyam. 5th, Tomsk, 1964. Elektronnyye uskoriteli (Electron accelerators); trudy konferentsii. Moscow, Atomizdat, 1966, 249-253

TOPIC TAGS: pulse shaper, pulse shape, particle acceleration

ABSTRACT: A method is described of shaping high-power steep-front long pulses intended for anode modulation of a hf oscillator (e.g., in a synchrotron accelerator). Millisecond pulses are shaped by discharging a storage into a load via a hydrogen thyratron (G. W. Wheeler, Rev. Sc. Instr., v. 32, no. 10, 1961). To ensure short time and high efficiency, it is suggested that storage 1 (see figure) be discharged via a thyratron directly into grounded load 2. In this case, the thyratron is to be quenched by a pulse supplied by auxiliary oscillator 3. The expected pulse-rise time

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